

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1-34. (Canceled)

35. (Previously Presented) A rope of single-wall carbon nanotubes having 50 to 5000 single-wall carbon nanotubes of which greater than 10% are (10, 10) single-wall carbon nanotubes.

36. (Previously Presented) A rope of single-wall carbon nanotubes in accordance with claim 35 wherein more than 50% are (10, 10) single-wall carbon nanotubes.

37. (Previously Presented) A rope of single-wall carbon nanotubes in accordance with claim 36 wherein more than 90% are (10, 10) single-wall carbon nanotubes.

38. (Previously Presented) A rope of single-wall carbon nanotubes in accordance with claim 37 wherein the rope comprises 100 to 500 single-wall carbon nanotubes.

39. (Previously Presented) A rope of single-wall carbon nanotubes in accordance with claim 38 wherein the average diameter of all single-wall carbon nanotubes in the rope is $13.8 \text{ \AA} \pm 0.3 \text{ \AA}$.

40. (Previously Presented) A rope of single-wall carbon nanotubes in accordance with claim 38 wherein the average diameter of all single-wall carbon nanotubes in the rope is $13.8 \text{ \AA} \pm 0.2 \text{ \AA}$.

41. (Previously Presented) A rope in accordance with claim 40 wherein the single-wall carbon nanotubes in the rope are in an arrangement wherein a 2-D triangular lattice constant is 17 \AA .

42. (Previously Presented) A rope of single-wall carbon nanotubes in accordance with claim 35 comprising about 100 to about 500 single-wall carbon nanotubes of which greater than 50% are single-wall carbon nanotubes of the armchair form.

43. (Previously Presented) A rope of single-wall carbon nanotubes in accordance with claim 42 wherein greater than 75% of the single-wall carbon nanotubes are of the armchair form.

44. (Previously Presented) A rope of single-wall carbon nanotubes in accordance with claim 43 wherein greater than 90% of the single-wall carbon nanotubes are of the armchair form.

45. (Cancelled)

46. (Currently amended) A felt, comprising single-wall carbon nanotubes, wherein the single-wall carbon nanotubes comprise ropes of single-wall nanotubes, wherein greater than 10% of the single-wall carbon nanotubes are (10, 10) single-wall carbon nanotubes, and wherein said felt is electrically conductive.

47. (Previously Presented) The felt of claim 46, wherein the felt comprises about 30 - 100 wt. % single-wall carbon nanotubes.

48-49. (Cancelled)

50. (Previously Presented) The felt of claim 46, wherein the size of said felt is 10 mm², 100 mm², or 1000 mm².

51. (Previously Presented) The felt of claim 46, wherein the size of said felt is at least 10 mm².

52-57. (Cancelled).